**IT Applications, Unit 4**

**Ch 6, Developing a solution using spreadsheet software, p 192-195**

Case Study: Point Pleasant Social Service Program – organisational outline and current practice

Read the case study:

1 Complete the think about IT, 6-3 activity:

1. Which current practices at Point Pleasant High School have led to inaccurate information? Mr. Green has been counting the totals using his hands which will leave a lot of room for error.
2. What types of validation errors might occur using the current information processing methods?

Analysing the problem

1. in the analysis stage there are three parts, elaborate under each of the following:
   1. define the problem:
   2. Solution requirements: The solution requirements are determined by establishing its functional attributes and non functional attributes.
      1. what is the difference between functional and non-functional attributes; Functional attributes entail what the solution must be able to do, and non functional attributes: User friendly, reliable, portable, robust, and easy to maintain.
   3. constraints
      1. list the constraints; Cost, Speed of processing, requirements of users, legal requirements, security, compatibility, level of expertise, capacity, availability of equipment.
   4. scope of solution
      1. Describe the scope or the extent of the solution. In terms of what the solution will and won’t do and benefits in terms of efficiency and effectiveness.